

DUPLICATE

APPLICATION FOR CONSTRUCTION PERMIT FOR
NONCOMMERCIAL EDUCATIONAL BROADCAST STATION
(Carefully read instructions before filing form) Return only form to FCC

For Commission Use Only

File No. BMPED-901210JA

Section I - GENERAL INFORMATION

1. Name of Applicant Caprock Educational Broadcasting Foundation			Send notices and communications to the following person at the address below: Name James L. Oyster		
Street Address or P.O. Box 2921 Brown Trail, Ste 140			Street Address or P.O. Box Rt. 1 Box 203-A		
City Bedford	State TX	ZIP Code 76021	City Castleton	State VA	ZIP Code 22716
Telephone No. (Include Area Code) (817) 498-7001			Telephone No. (Include Area Code) (703) 937-2128		

2. This application is for: ☐ AM ☒ FM ☐ TV

(a) Channel No. or Frequency 211 90.1 mHz	(b) Principal Community Lubbock	City Lubbock	State TX
----------------------------------------------	------------------------------------	-----------------	-------------

(c) Check one of the following boxes:

☐ Application for NEW station

☐ MAJOR change in licensed facilities; call sign: _____

☐ MINOR change in licensed facilities; call sign: _____

☒ MAJOR modification of construction permit; call sign: KAMY-FM

File No. of construction permit: BMPH-900724JK

☐ MINOR modification of construction permit; call sign: _____

File No. of construction permit: _____

☐ AMENDMENT to pending application; application file number: _____

NOTE: It is not necessary to use this form to amend a previously filed application. Should you do so, however, please submit only Section I and those other portions of the form that contain the amended information.

3. Is this application mutually exclusive with a renewal application? ☐ Yes ☒ No

If Yes, state:	Call letters	Community of License	
		City	State

Section V-B - FM BROADCAST ENGINEERING DATA

FOR COMMISSION USE ONLY

File No. _____

ASB Referral Date _____

Referred by _____

Name of Applicant

Caprock Educational Broadcasting Foundation

Call letters (if issued)

KAMY-FM

Is this application being filed in response to a window? ☐ Yes ☒ No

If Yes, specify closing date: _____

Purpose of Application: (check appropriate boxes)

☐ Construct a new (main) facility☐ Construct a new auxiliary facility☒ Modify existing construction permit for main facility☐ Modify existing construction permit for auxiliary facility☐ Modify licensed main facility☐ Modify licensed auxiliary facility

If purpose is to modify, indicate below the nature of change(s) and specify the file number(s) of the authorizations affected.

☐ Antenna supporting-structure height☒ Effective radiated power☐ Antenna height above average terrain☐ Frequency☐ Antenna location☐ Class☐ Main Studio location☐ Other (Summarize briefly)File Number(s) BMPH-900724JK

1. Allocation:

Channel No.	Principal community to be served:		
	City	County	State
211	Lubbock	Lubbock	TX

Class (check only one box below)

☐ A ☐ B1 ☐ B ☐ C3☒ C2 ☐ C1 ☐ C ☐ D

2. Exact location of antenna.

(a) Specify address, city, county and state. If no address, specify distance and bearing relative to the nearest town or landmark.

9802 University Street, Lubbock, TX

(b) Geographical coordinates (to nearest second). If mounted on element of an AM array, specify coordinates of center of array. Otherwise, specify tower location. Specify South Latitude or East Longitude where applicable; otherwise, North Latitude or West Longitude will be presumed.

Latitude	33°	30'	08"	Longitude	101°	52'	20"
----------	-----	-----	-----	-----------	------	-----	-----

3. Is the supporting structure the same as that of another station(s) or proposed in another pending application(s)?

☒ Yes ☐ No

If Yes, give call letter(s) or file number(s) or both.

KAMY-FM BMPH-900724JK

If proposal involves a change in height of an existing structure, specify existing height above ground level including antenna, all other appurtenances, and lighting, if any.

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 2)

4. Does the application propose to correct previous site coordinates?

☐ Yes ☒ No

If Yes, list old coordinates.

Latitude	0	'	"	Longitude	0	'	"
----------	---	---	---	-----------	---	---	---

5. Has the FAA been notified of the proposed construction?

☐ Yes ☒ NoIf Yes, give date and office where notice was filed and attach as an Exhibit a copy of FAA determination, if available. **There will be no change in structure.**

Exhibit No.

Date _____ Office where filed _____

6. List all landing areas within 8 km of antenna site. Specify distance and bearing from structure to nearest point of the nearest runway.

	Landing Area	Distance (km)	Bearing (degrees True)
(a)	Same as in BMPH-900724JK		
(b)			

7. (a) Elevation: (to the nearest meter)

(1) of site above mean sea level; 977. meters(2) of the top of supporting structure above ground (including antenna, all other appurtenances, and lighting, if any); and 266. meters(3) of the top of supporting structure above mean sea level [(aX1) + (aX2)] 1243. meters

(b) Height of radiation center: (to the nearest meter) H = Horizontal; V = Vertical

(1) above ground 151.0 meters (H)151.0 meters (V)(2) above mean sea level [(aX1) + (bX1)] 248.0 meters (H)248.0 meters (V)(3) above average terrain 150.0 meters (H)150.0 meters (V)

8. Attach as an Exhibit sketch(es) of the supporting structure, labelling all elevations required in Question 7 above, except item 7(bX3). If mounted on an AM directional-array element, specify heights and orientations of all array towers, as well as location of FM radiator.

Exhibit No.

E-1

9. Effective Radiated Power:

(a) ERP in the horizontal plane 40.0 kw (H*) 40.0 kw (V*)

(b) Is beam tilt proposed?

☐ Yes ☒ No

If Yes, specify maximum ERP in the plane of the tilted beam, and attach as an Exhibit a vertical elevational plot of radiated field.

Exhibit No.

N/A

_____ kw (H*) _____ kw (V*)

*Polarization

10. Is a directional antenna proposed?

☐ Yes ☒ No

If Yes, attach as an Exhibit a statement with all data specified in 47 C.F.R. Section 73.316, including plot(s) and tabulations of horizontally and vertically polarized radiated components in terms of relative field.

Exhibit No.
N/A

11. Will the main studio be located within the 70 dBu or 3.16 mV/m contour?

☒ Yes ☐ No

If No, attach as an Exhibit justification pursuant to 47 C.F.R. Section 73.1125.

Exhibit No.
N/A

12. Are there: (a) within 60 meters of the proposed antenna, any proposed or authorized FM or TV transmitters, or any nonbroadcast (*except citizens band or amateur*) radio stations; or (b) within the blanketing contour, any established commercial or government receiving stations, cable head-end facilities, or populated areas; or (c) within ten (10) kilometers of the proposed antenna, any proposed or authorized FM or TV transmitters which may produce receiver-induced intermodulation interference?

☒ Yes ☐ No

If Yes, attach as an Exhibit a description of any expected, undesired effects of operations and remedial steps to be pursued if necessary, and a statement accepting full responsibility for the elimination of any objectionable interference (including that caused by receiver-induced or other types of modulation) to facilities in existence or authorized or to radio receivers in use prior to grant of this application. (See 47 C.F.R. Sections 73.315(b), 73.316(d) and 73.318.)

Exhibit No.
E-2

13. Attach as an Exhibit a 7.5 minute series U.S. Geological Survey topographic quadrangle map that shows clearly, legibly, and accurately, the location of the proposed transmitting antenna. This map must comply with the requirements set forth in Instruction D for Section V. Further, the map must clearly and legibly display the original printed contour lines and data as well as latitude and longitude markings, and must bear a scale of distance in kilometers.

Exhibit No.
E-3

14. Attach as an Exhibit *(name the source)* a map which shows clearly, legibly, and accurately, and with the original printed latitude and longitude markings and a scale of distance in kilometers:

Exhibit No.
E-4

Sectional Chart

(a) the proposed transmitter location, and the radials along with profile graphs have been prepared;

(b) the 1 mV/m predicted contour and, for noncommercial educational applicants applying on a commercial channel, the 3.16 mV/m contour; and

(c) the legal boundaries of the principal community to be served

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 4)

17. For an application involving an auxiliary facility only, attach as an Exhibit a map (*Sectional Aeronautical Chart or equivalent*) that shows clearly, legibly, and accurately, and with latitude and longitude markings and a scale of distance in kilometers:

Exhibit No.
N/A

(a) the proposed auxiliary 1 mV/m contour; and

(b) the 1 mV/m contour of the licensed main facility for which the applied-for facility will be auxiliary. Also specify the file number of the license. See 47 C.F.R. Section 73.1675. (File No.: _____)

18. Terrain and coverage data *(to be calculated in accordance with 47 C.F.R. Section 73.3131).*

Source of terrain data: *(check only one box below)*

☒ Linearly interpolated 30-second database

☐ 7.5 minute topographic map

(Source: Dataworld (USGS))

☐ Other *(briefly summarize)*

Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 3 to 16 km (meters)	Predicted Distances to the 1 mV/m contour (kilometers)
0	See Exhibit E-6	
45		
90		
135		
180		
225		
270		
315		

Allocation Studies

(See Subpart C of 47 C.F.R. Part 73)

19. Is the proposed antenna location within 320 kilometers (199 miles) of the common border between the United States and Mexico?

☐ Yes ☒ No

If Yes, attach as an Exhibit a showing of compliance with all provisions of the Agreement between the United States of America and the United Mexican States concerning Frequency Modulation Broadcasting in the 88 to 108 MHz band.

Exhibit No.

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 5)

20. Is the proposed antenna location within 320 kilometers of the common border between the United States and Canada?

☐ Yes ☒ No

If Yes, attach as an Exhibit a showing of compliance with all provisions of the Working Agreement for Allocation of FM Broadcasting Stations on Channels 201-300 under The Canada-United States FM Agreement of 1947.

Exhibit No.
N/A

21. If the proposed operation is for a channel in the range from channel 201 through 220 (88.1 through 91.9 MHz), or if this proposed operation is for a class D station in the range from Channel 221 through 300 (92.1 through 107.9 MHz), attach as an Exhibit a complete allocation study to establish the lack of prohibited overlap of contours with other U.S. stations. The allocation study should include the following:

Exhibit No.
E-7

- (a) The normally protected interference-free and the interfering contours for the proposed operation along all azimuths.
- (b) Complete normally protected interference-free contours of all other proposals and existing stations to which objectionable interference would be caused.
- (c) Interfering contours over pertinent arcs of all other proposals and existing stations from which objectionable interference would be received.
- (d) Normally protected and interfering contours over pertinent arcs, of all other proposals and existing stations, which require study to show the absence of objectionable interference.
- (e) Plot of the transmitter location of each station or proposal requiring investigation, with identifying call letters, file numbers and operating or proposed facilities.
- (f) When necessary to show more detail, an additional allocation study will be attached utilizing a map with a larger scale to clearly show interference or absence thereof.
- (g) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire Exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.
- (h) The name of the map(s) used in the Exhibit(s).

World Aeronautical Chart

22. With regard to any stations separated by 53 or 54 channels (10.6 or 10.8 MHz) attach as an Exhibit information required in 1/ (separation requirements involving intermediate frequency (i.f.) interference).

Exhibit No.
E-8

23.(a) Is the proposed operation on Channel 218, 219, or 220?

☐ Yes ☒ No

(b) If the answer to (a) is yes, does the proposed operation satisfy the requirements of 47 C.F.R. Section 73.207?

☐ Yes ☐ No

(c) If the answer to (b) is yes, attach as an Exhibit information required in 1/ regarding separation requirements with respect to stations on Channels 221, 222 and 223.

Exhibit No.
N/A

(d) If the answer to (b) is no, attach as an Exhibit a statement describing the short spacing(s) and how it or they arose.

Exhibit No.
N/A

1/ A showing that the proposed operation meets the minimum distance separation requirements. Include existing stations, proposed stations, and cities which appear in the Table of Allotments; the location and geographic coordinates of each antenna, proposed antenna or reference point, as appropriate; and distance to each from proposed antenna location.

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 6)

- (e) If authorization pursuant to 47 C.F.R. Section 73.215 is requested, attach as an Exhibit a complete engineering study to establish the lack of prohibited overlap of contours involving affected stations. The engineering study must include the following:

Exhibit No.

N/A

- (1) Protected and interfering contours, in all directions (360°), for the proposed operation.
- (2) Protected and interfering contours, over pertinent arcs, of all short-spaced assignments, applications and allotments, including a plot showing each transmitter location, with identifying call letters, frequency, and indication of whether facility is operating or proposed. For each

Population within coverage area

Title: Lubbock Texas Up in Power -- Population Coordinates: 33-30-08 101-52-20

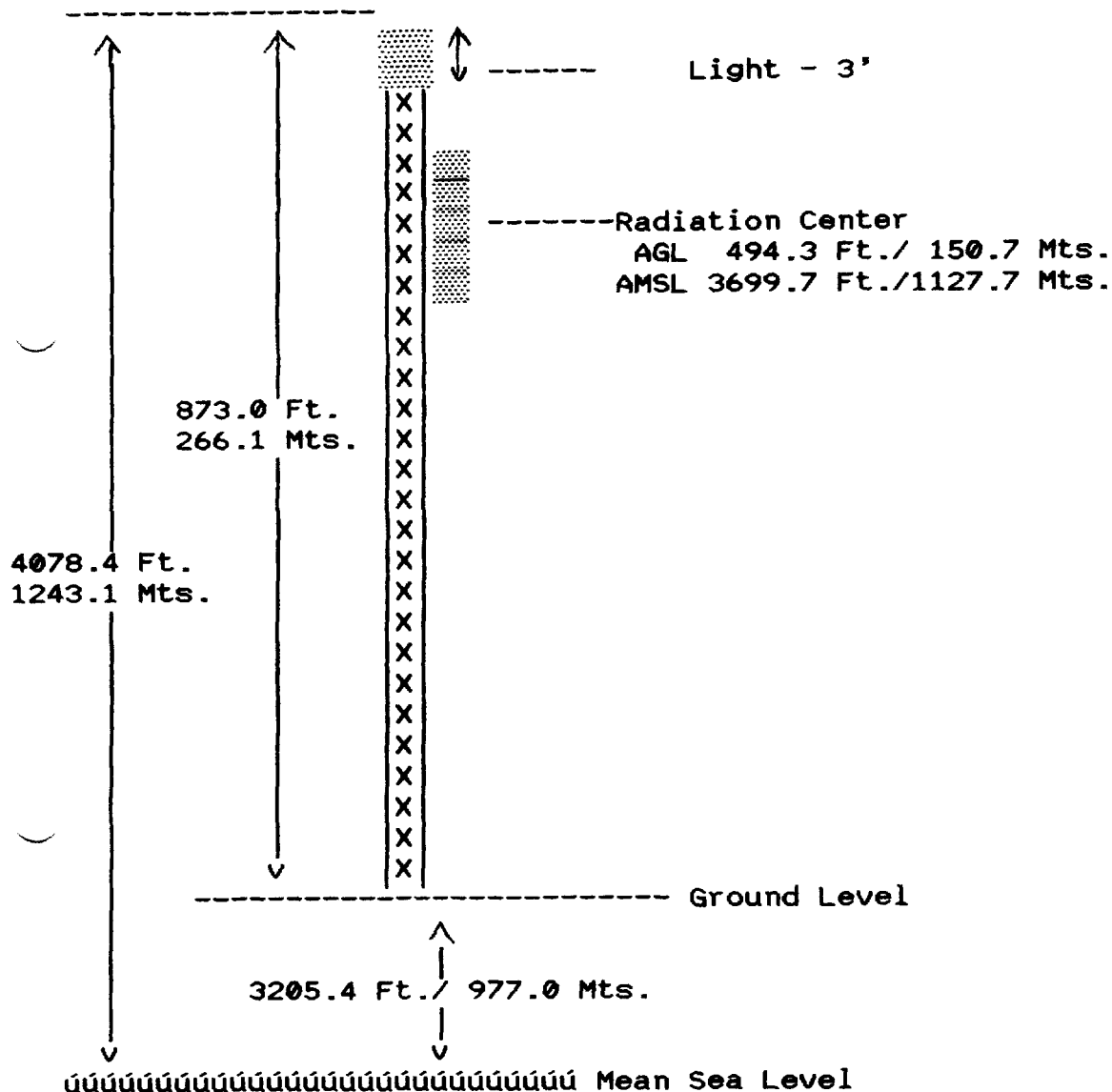
1 mV/m
60 DBU

Totals for Crosby County (1980 Census):	5,163
Totals for Crosby County (1980 Corr.):	5,162
Totals for Crosby County (1986 Update):	4,778
Totals for Garza County (1980 Census):	598
Totals for Garza County (1980 Corr.):	597
Totals for Garza County (1986 Update):	605
Totals for Hale County (1980 Census):	4,433
Totals for Hale County (1980 Corr.):	4,432
Totals for Hale County (1986 Update):	4,351
Totals for Hockley County (1980 Census):	5,047
Totals for Hockley County (1980 Corr.):	5,046
Totals for Hockley County (1986 Update):	5,409
Totals for Lubbock County (1980 Census):	211,651
Totals for Lubbock County (1980 Corr.):	211,651
Totals for Lubbock County (1986 Update):	224,800
Totals for Lynn County (1980 Census):	6,873
Totals for Lynn County (1980 Corr.):	6,872
Totals for Lynn County (1986 Update):	6,070
Totals for Terry County (1980 Census):	1,818
Totals for Terry County (1980 Corr.):	1,817
Totals for Terry County (1986 Update):	1,882
Totals for Texas (1980 Census):	235,583
Totals for Texas (1980 Corr.):	235,577
Totals for Texas (1986 Update):	247,895
Total Population (1980 Census):	235,583
Total Population (1980 Corr.):	235,577
Total Population (1986 Update):	247,895
Area (Square km):	7566.6

November 21, 1990

Exhibit E-1

Vertical Plan Sketch of Total Structure Channel 211 Class C2



NOTE : NOT TO SCALE

Element Depictions are Purely Symbolic

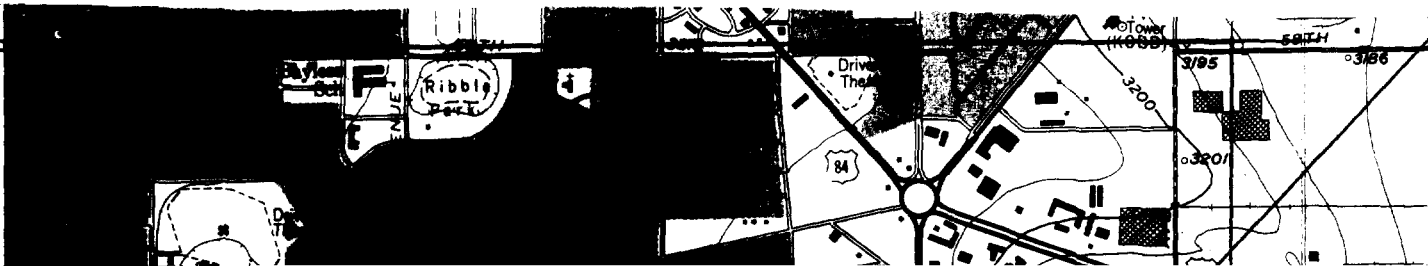
Shively Laboratories FM Antenna Model 6810
8 Bays - Power Gain 4.4 (6.43 db)
Vertical Aperture 77 Feet

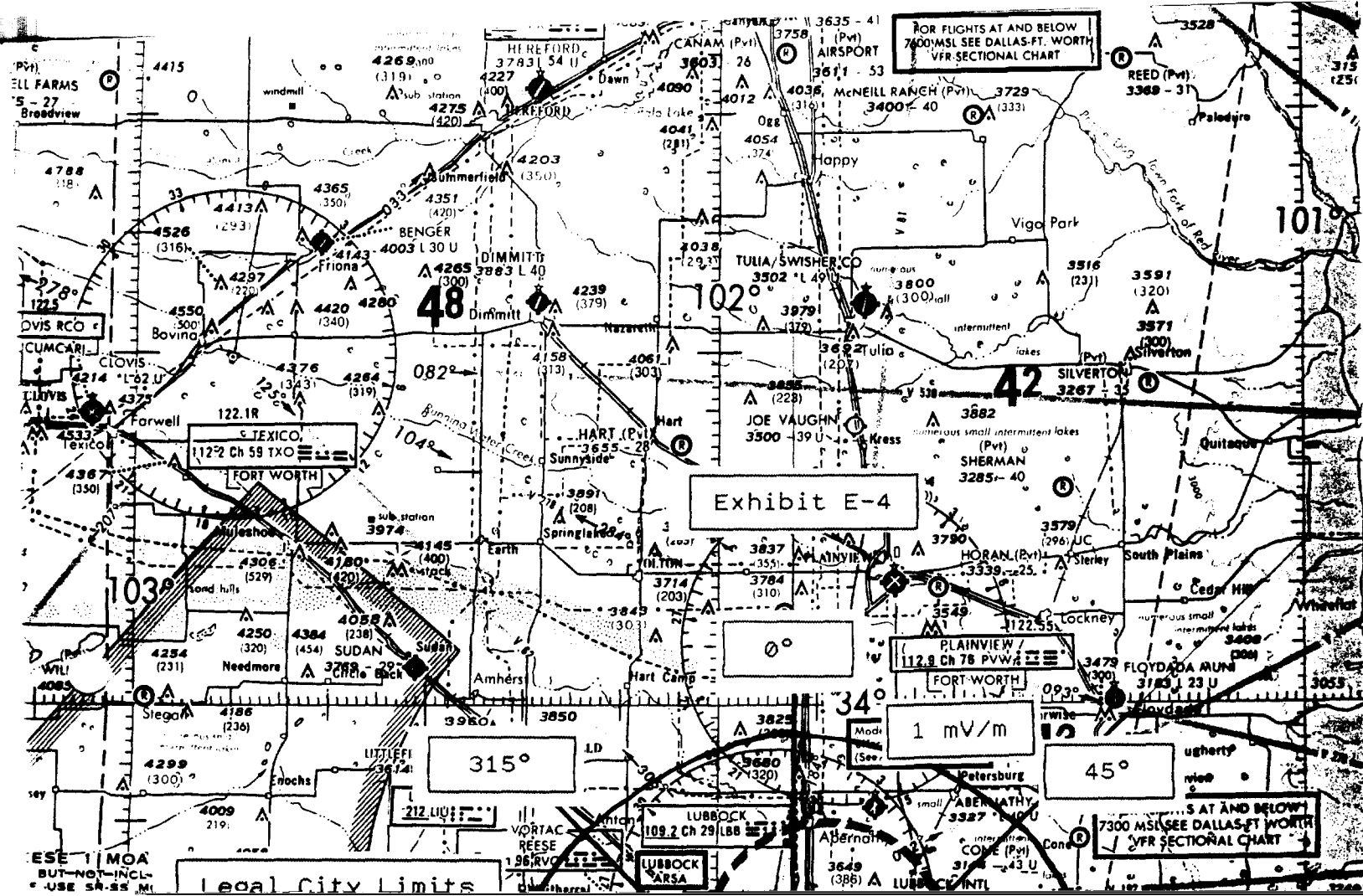
Exhibit E-2

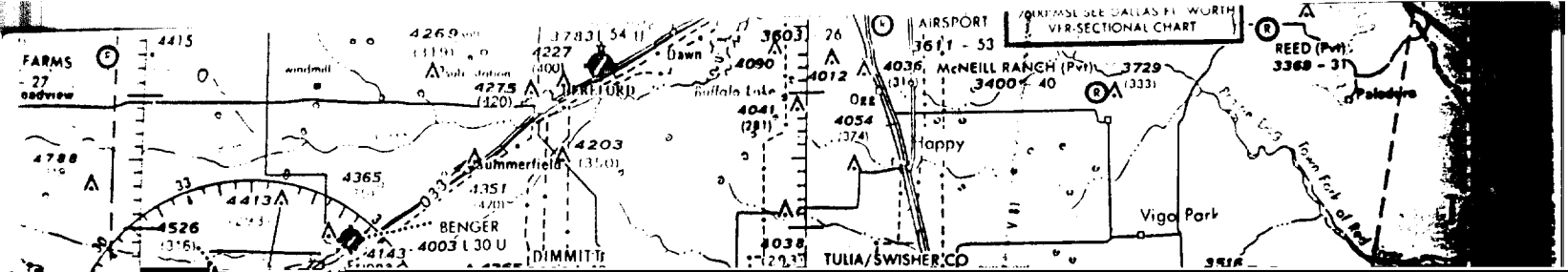
The applicant proposes to co-locate and is currently co-located on the proposed tower which now has two other FM antennas on the structure and a UHF channel 34 television antenna mounted on it.

3/15

32'30"







November 21, 1990

Exhibit E-6

Section V-B, 15 Of FCC Form 340

Caprock Educational Broadcasting Fdn.

Lubbock Texas

Channel 211 Class C2

Bearing	Average Terrain Radial (ft/mt)	Radiation Center A.A.T. (ft/mt)	3.16 mV/m (70 dBu) (mi/km)	1 mV/m (60 dBu) (mi/km)
0	3200.0/ 975.4	499.6/ 152.3	19.4/ 31.0	30.7/ 49.1
45	3152.2/ 960.8	547.4/ 166.9	20.2/ 32.3	31.7/ 50.7
90	3141.5/ 957.5	558.1/ 170.1	20.4/ 32.6	32.0/ 51.2
135	3165.0/ 964.7	534.6/ 163.0	20.0/ 32.0	31.5/ 50.4
180	3200.7/ 975.6	498.9/ 152.1	19.4/ 31.0	30.7/ 49.1
225	3271.2/ 997.1	428.4/ 130.6	18.1/ 29.0	29.0/ 46.4
27	3286.7/1001.8	412.9/ 125.9	17.8/ 28.5	28.6/ 45.8
315	3243.9/ 988.7	455.8/ 138.9	18.6/ 29.8	29.6/ 47.4

The Center Of Radiation Above Mean Sea Level is 3699.6 Feet or 1127.7 Meters

The Average Terrain Elevation is 3207.6 Feet or 977.7 Meters

The Radiation Center Above Average Terrain (HAAT) is 492.0 Feet or 150.0 Meters

The Area Within the 1 mV/m Contour is 2921.5 Miles or 7566.6 Kilometers

FM Interference study

Title: LUBBOCK UP IN POWER
Channel 211C2 (90.1 MHz) ERP: 40 kW; EAH: 150 m
Database: DW 10/11/90

Latitude: 33-30-08
Longitude: 101-52-20
Safety zone: 65 km

Call	Auth	Licensee name	Chan	ERP-kW	Latitude	Br-to	Dist.	Req.
City of License	St	FCC File no.	Freq	EAH-m	Longitude	-from	(km)	(km)
=====								
K06EQ	LIC	OGDEN VALLEY T.V. REPEAT	6	0	31-59-48	186.8	168.1	50.27
MIDLAND	TX		85.0	89	102-04-59	6.7	117.9	CLEAR
Proposed F(50,10) 67.4 dBu = 39.02 km; K06EQ F(50,50) 47 dBu = 11.26 km								

KENW-FM LIC	BD OF REGENTS EASTERN NM	*208C1	100	34-10-27	299.1	155.8	54.64	
PORTALES	NM BLED-790810AA	89.5	56	103-21-03	118.3	101.2	CLEAR	
Network: NPR AMP CNN								
Proposed F(50,50) 100 dBu = 5.652 km; KENW-FM F(50,50) 60 dBu = 41.11 km								
Proposed F(50,50) 60 dBu = 50.19 km; KENW-FM F(50,50) 100 dBu = 4.445 km								

AJC		*209A		32-19-12	205.8	145.5	57.85	
ANDREWS	TX	89.7		102-32-48	25.4	87.64	CLEAR	
Proposed F(50,10) 80 dBu = 18.74 km; ALLOC F(50,50) 60 dBu = 24.22 km								
Proposed F(50,50) 60 dBu = 50.19 km; ALLOC F(50,50) 80 dBu = 7.664 km								

Page 2
November 21, 1990

Title: LUBBOCK UP IN POWER Latitude: 33-30-08
Channel 211C2 (90.1 MHz) ERP: 40 kw; EAH: 150 m Longitude: 101-52-20

KPCE	CP	DOVE BROADCASTING INCORPO	265A	1.30	32-25-53	225.4	168.6	15
EUNICE		NM BPH-850425IZ	100.9	131	103-09-08	44.7	153.6	CLEAR
REPLACES EXPIRED CP								

>> End of channel 211C2 study <<

Exhibit E-7

SCALE:

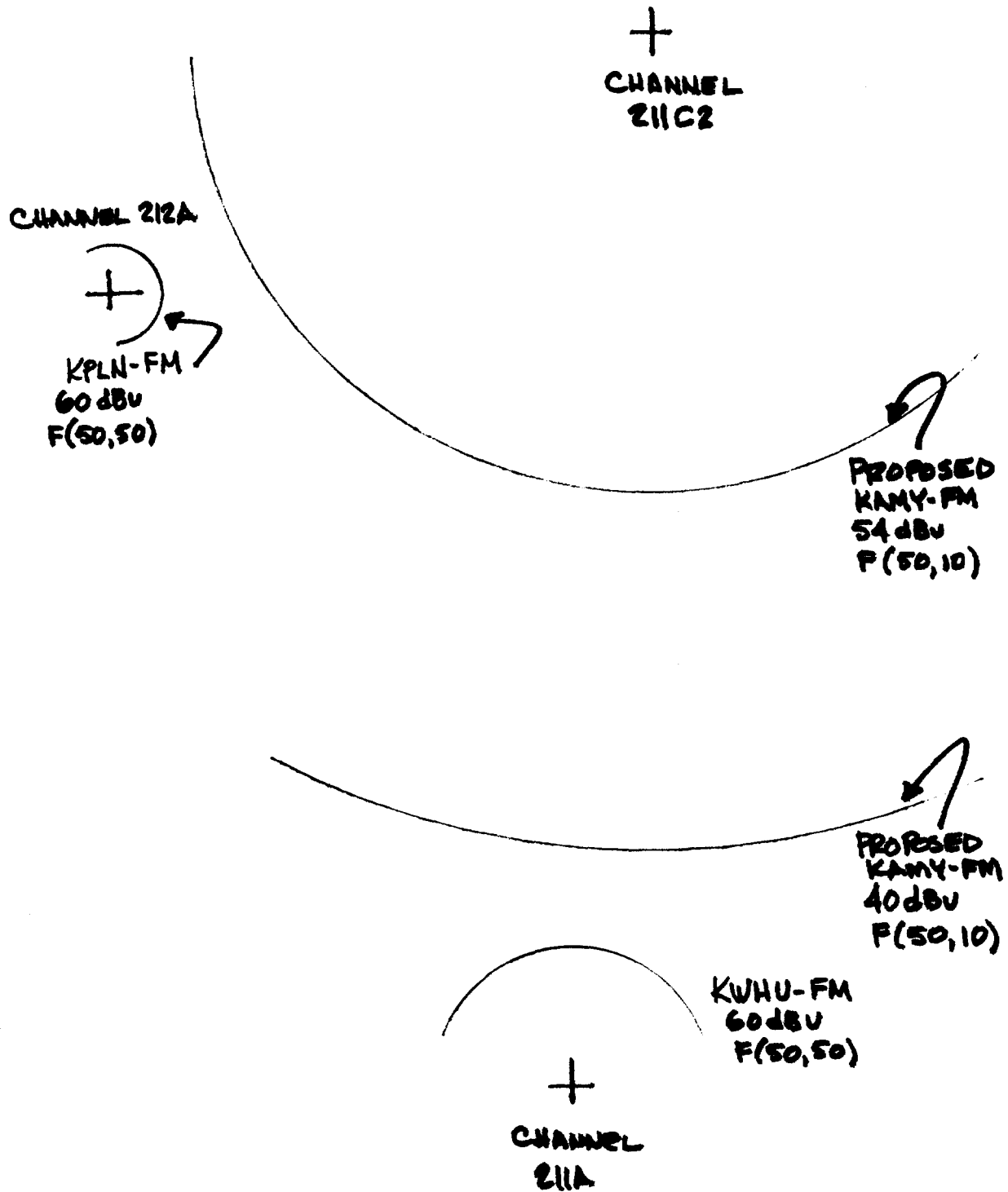
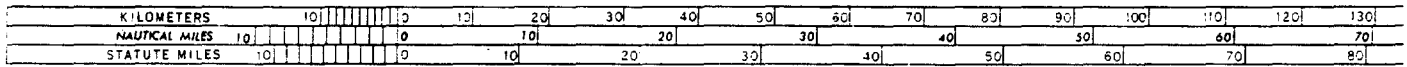


Exhibit E-8

Spacing Requirements
With Regard to
Intermediate Frequencies

After a careful study of the spacing requirements for intermediate frequencies separated by 53 or 54 channels, (10.6 or 10.8 mHz), the applicant reports that there are no interfering frequencies within this range.

SECTION VI - EQUAL EMPLOYMENT OPPORTUNITY PROGRAM

1. Does the applicant propose to employ five or more full-time employees?

☐ Yes ☒ No

If Yes, the applicant must include an E.O. program listed for in the separate Broadcast Equal Employment Opportunity Program Report (B.E.E.O. - A).

SECTION VII - CERTIFICATION

1. Has or will the applicant comply with the public notice requirements of 47 C.F.R. Section 73.3580?

☒ Yes ☐ No

The APPLICANT hereby waives any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

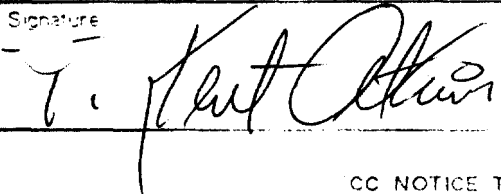
The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations, and that the exhibits are a material part hereof and incorporated herein.

The APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination on any other application with which it may be in conflict.

In accordance with 47 C.F.R. Section 1.125, the APPLICANT has a continuing obligation to advise the Commission, through amendments, of any substantial and significant changes in information furnished.

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT.
U.S. CODE, TITLE 18, SECTION 1001.

I certify that the statements in this application are true and correct to the best of my knowledge and belief, and are made in good faith.

Name of Applicant Caprock Educational Broadcasting Foundation	Title Trustee
Signature 	Date November 21, 1990

CC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT AND THE PAPERWORK REDUCTION ACT

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The principal purpose for which the information will be used is to determine if the benefit requested is consistent with the public interest. The staff, consisting variously of attorneys, analysts, engineers, and applications examiners, will use the information to determine whether the application should be granted, denied, referred, or designated for hearing. If all the information is not provided, the application may be returned without action having been taken or its processing may be delayed while a request is made to provide the missing information. Accordingly, every effort should be made to provide all necessary information. Your response is required to obtain the requested authority.

Public reporting burden for this collection of information is estimated to vary from 76 to 80 hours with an average of 78 hours 04 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, can be sent to the Federal Communications Commission, Office of Managing Director, Washington, D.C. 20554, and to the Office of Management and Budget, Paperwork Reduction Project (3060-0034), Washington, D.C. 20503.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.